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August 1988

Railway Age

...for the new age of railways and rail transit

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THE ARCHITECTS OF CHANGE-

Brendan McNally
Congressional Info Service CIS
4520 East-West Highway
Bethesda MD 20814-3389

Santa Fe's John Swartz

C&S: Sizing up the ATCS market

Car & Locomotive Repair Directory

Minneapolis votes for light rail transit

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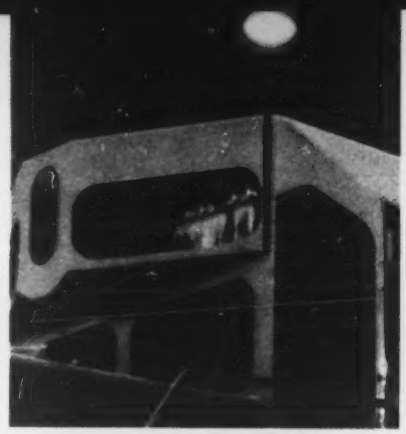


Features

37 The architects of change: Santa Fe's John Swartz

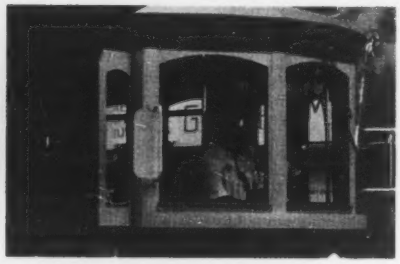
"We can market our service well and gain market share even without the merger," says Santa Fe's president. "We're going to have to be a little sharper and a little more inventive. And we will be."

45 ATCS: More than "train control"

Automatic Train Control Systems research is uncovering some bonus benefits. One example: The work-order system UP will install in advance of full ATCS implementation.

51 Light rail for Twin Cities?

Hennepin County (Minneapolis) commissioners have voted to proceed with an LRT plan, but less than half of the needed funding is firm. St. Paul still has not acted on a plan.



54 LRT comes to Galveston

Four self-propelled trolleys, custom-built by Miner to a turn-of-the-century design, will operate on a 4.7 mile loop connecting residential, commercial, and historic districts.

56 TIPS turns commuters on

About a third of Metro North's incoming customer calls are handled, fast and efficiently, by a Travel Information Process System that uses digitally-stored speech.

RR-1 1988 Railroad Repair Directory

Railway Age's 1988 pullout guide to freight car and locomotive contract repair shops in Canada and the U.S. starts immediately following p. 36 in this issue's regular pagination.

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Cover photo: By Gary J. Benson

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Market Outlook

Equipment

Conrail: Will acquire 1,000 fully enclosed multi-level auto carriers, valued at $34.3 million. The railcars are composed of vehicle racks built by Thrall Car Manufacturing Co. installed on flatcars, which will be leased from Trailer Train Corp. The cars are scheduled for delivery during the first half of 1989.

New York City Transit Authority: Awarded a $130-million contract to Morrison-Knudsen for the remanufacture of 296 R-32 cars at M-K's Hornell, N.Y., shops.

Facilities

BART: Is negotiating with Bechtel Civil, a partner in Parsons-Brinckerhoff-Tudor-Bechtel, for a $3.8-million contract to provide engineering services for the preliminary design of BART's 13-mile extension from Bay Fair to Dublin/Pleasanton. The $230-million extension is anticipated to be completed by 1995.

Conrail: Will invest $6.4 million this year to upgrade the Detroit-Ypsilanti segment of its Michigan Line, completing a four-year program to install continuous welded rail on the 145-mile line between Detroit and Kalamazoo. Thirty-six miles of rail has already been installed; other upgrading this year will include replacement of 4,615 crossties, surfacing of 36 miles of supporting railbed, and rehabilitation of 29 grade crossings.

PATH: Directors authorized construction of a new tunnel emergency ventilation structure and an electrical substation at 15th St. in Jersey City, N.J., at a cost of $61 million. A total of six such structures are called for in PATH's tunnel emergency ventilation system; two have already been completed.

- Awarded an $8.8-million prime contract to Transcontrol Corp. and Ansaldo Trasporti, a joint venture, to provide a yard signal system for its new Harrison main repair facility at Kearny, N.J. The system, which will include a control center to operate and monitor some 84 signals and 55 switch layouts, is scheduled for completion by 1990.

Revenue freight carloadings

Commodity	July 16 week	July 9 week	July 2 week	June 25 week	June 18 week
Grain	29,843	29,690	31,539	34,550	33,557
Other farm products	3,476	3,260	3,740	3,757	3,722
Metallic ores	21,765	22,360	21,718	21,717	20,167
Coal	114,422	82,268	101,461	119,677	118,743
Crushed stone, gravel and sand	18,322	15,895	18,076	19,551	18,755
Nonmetallic minerals	10,413	9,738	10,613	9,818	10,029
Grain mill products	10,525	9,057	10,822	10,298	10,936
Food and kindred products	10,643	8,858	11,476	11,010	11,004
Primary forest products	9,875	7,316	9,633	9,665	10,248
Lumber and wood products except furniture	7,062	5,467	8,090	8,112	8,180
Pulp, paper and allied products	11,832	11,486	12,692	12,635	12,394
Chemicals and allied products	26,897	24,568	27,461	26,884	27,437
Petroleum products	5,208	4,754	5,556	5,647	5,370
Stone, clay and glass products	11,746	10,039	11,820	11,606	11,715
Coke	5,955	5,761	5 409	5,733	5,701
Metals and products	10,614	8,422	10,793	10,502	10.239
Motor vehicles and equipment	12,456	12,715	20,206	22,120	22,290
Waste and scrap materials	9,279	7,184	9,046	9,007	9,723
Forwarder and shipper assn. traffic	2,326	2,001	2,634	2,444	2,492
All other carloads	78,182	68,092	86,106	83,935	82,575
Total Cars Loaded	**410,842**	**348,931**	**418,891**	**438,668**	**435,277**
% change from previous year	2.3	(3.6)	18.6	3.3	2.4
Estimated revenue ton-miles (billions)	18.6	16.3	19.7	19.4	19.2
% change from previous year	4.4	(2.2)	19.1	4.3	4.9

Total:	**1988**	**1987**	**% change**
28 weeks	530.9	491.5	8.0

Piggyback loadings

	July 9 week	July 2 week	June 25 week	June 18 week	June 11 week
Trailers/containers	94,207	116,858	114,082	112,273	111,908

Cumulative total, 27 weeks		**% change from 1987**
Trailers/containers	2,918,464	5.3

Source: Association of American Railroads

Freight cars

	DELIVERED 2nd quarter 1988	DELIVERED 2nd quarter 1987	ORDERED 2nd quarter 1988	ORDERED 2nd quarter 1987	ON ORDER AND UNDELIVERED July 1, 1988	ON ORDER AND UNDELIVERED July 1, 1987
Built new by carbuilders	4,598	3,198	9,131	4,780	17,225	5,432
Built new in RR shops	0	0	35	0	30	0
Built new—total	**4,598**	**3,198**	**9,166**	**4,780**	**17,255**	**5,432**
Rebuilt	70	0	0	0	211	0
TOTAL	**4,668**	**3,198**	**9,166**	**4,780**	**17,466**	**5,432**
Locomotives (new and rebuilt)	108	39	N/A	N/A	126	7

Source: Transportation Div., AAR and American Railway Car Institute